

Message Text

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ACTION EB-08

INFO OCT-01 CIAE-00 COME-00 DODE-00 NSAE-00 USIA-06

TRSE-00 EUR-12 ERDA-05 ISO-00 /032 W

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TO SECSTATE WASH DC PRIORITY 5866

C O N F I D E N T I A L OECD PARIS 08820

EXCON

E.O. 11652: XGDS1

TAGS: ESTC, COCOM, CA, CH

SUBJ: CANADIAN AVIONICS AND GEOPHYSICAL SURVEY EQUIPMENT

TO PRC IL 1501, 1531, 1571

REF: COCOM DOC (77) 232

1. URGENCY REQUEST: 3 TYPE 618M-2B/D VHF TRANSCEIVERS, 3 TYPE 718 V-5 HF TRANSCEIVERS, 3 TYPE 5 IZ-4 MARKER BEACON RECEIVERS, 3 TYPE DRA-12 DUAL DOPPLER NAVIGATION SYSTEMS AND 1 MRM-1A MAGNETOMETER TO NATIONAL BUREAU OF GEOLOGY, PEKING FOR INCORPORATION IN 3 CIVIL TWIN OTTER AIRCRAFT WHICH WILL BE USED FOR GEOPHYSICAL SURVEYING AND ASSOCIATED AIRBORNE PHOTOGRAPHY. VALUE: \$652,000.

2. THE 718 U-5 IS BASICALLY SIMILAR TO THE 618 T-2 TRANSCEIVERS APPROVED FOR EXPORT IN US CASES (72) 1237 AND (71)824. THE 718 U-5 HAS 280,000 CHANNEL CAPACITIES AND WAS CHOSEN FOR THREE REASONS: 1) THE DUAL SYSTEM WEIGHT FOR THE 718 U-5 IS 104.2 POUNDS WHEREAS THE 618 T-3 WOULD WEIGH 213.8 POUNDS, 2) THE 718 U-5 IS CONSIDERABLY SMALLER THAN THE 618 T-2 OR T-3 SYSTEMS, 3) IN DEVELOPING COUNTRIES THE CONTINUED USE OF OLDER VFO CONTROLLED

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GROUND TRANSMITTERS RESULTS IN LOW FREQUENCY STABILITY, AND THE CAPABILITY OF THE PILOT IN THE TWIN OTTER TO FINE TUNE BY DIGITAL STEPS OF 100 HZ INCREMENTS OVERCOMES THE OLDER TECHNIQUE OF RECEIVER MANUAL TUNING TO ALIGN WITH OFF-FREQUENCY TRANSMISSIONS. 28,000 CHANNEL CAPACITY EQUIPMENT IS LIMITED TO 1,000 HZ STEPS AND IS THEREFORE INCAPABLE OF ADJUSTING TO THE TRANSMITTING

SIGNALS.

3. THE MRM-1A AIRBORNE MAGNETOMETER IS A DOWNGRADED VERSION OF THE MRM-1. THE MRM-1A HAS BEEN IRREVERSIBLY MODIFIED TO ONLY 0.1 GAMMA SENSITIVITY. THIS MODIFICATION HAS BEEN ACCOMPLISHED BY FITTING A LOW FREQUENCY REF OSCILLATOR AND MODIFIED READOUT SYSTEM. SINCE THE ACCURACY OF FREQUENCY DETERMINATION IS REDUCED, THE SENSITIVITY IS ACCORDINGLY REDUCED.

4. THE 618M-2B/D VHF TRANSCEIVERS ARE EMBARGOED UNDER IL 1501 (A) (2) (II) AND IL 1531 (C) (2) DUE TO THE RELATED FREQUENCY RANGE AND CHANNEL CAPACITY. THE DRA-12 DUAL DOPPLER NAVIGATION SYSTEMS ARE AS DESCRIBED IN ADDENDUM TO COCOM DOC (72) 1237 INVOLVING US EXPORT OF BOEING 707 TO PRC.

5. BROCHURES WILL BE FORWARDED WHEN RECEIVED.

6. URGENCY PROCEDURE INVOKED AS NEGOTIATION EXTENDED OVER CONSIDERABLE TIME AND TRANSACTION MUST BE CONFIRMED AT EARLIEST POSSIBLE DATE. CASE SCHEDULED FOR COCOM MEETING 3/29.

7. ACTION REQUESTED: US VIEWS ASAP.
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Message Attributes

Automatic Decaptioning: X
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